

Annual Departmental Report 2020
Department of Community Medicine

a) Faculty position

Sl No.	Name of faculty member	Designation
1	Prof. Urmila Dasgupta	Professor & HOD
2	Prof. Debasis Das	Professor
3	Dr. Tanushree Mondal	Associate Professor & Assistant Director of Medical Education, GoWB
4	Dr. Nirmalya Manna	Assoc. Professor
5	Dr. Anindya Mukherjee	Assoc. Professor & State Liaison Officer DNB& Member Online Counseling Committee& State Nodal Officer TMIS, Swasthya Bhavan
6	Dr. Arup Chakraborty	Assoc. Professor
7	Dr. Debadatta Chakrabarty	Asst. Professor
8	Dr. Seshadri Kole	Asst. Professor
9	Dr. Mousumi Datta	Asst. Professor
10	Dr. Saikat Bhattacharya	Asst. Professor
11	Dr. Adwitiya Das	Asst. Professor
12	Dr. Rahul Biswas	Asst. Professor
13	Dr. Trinath Sarkar	Asst. Professor
14	Dr. Shibasish Banerjee	Asst. Professor
15	Dr. Sharmistha Ghosh	Demonstrator
16	Dr. Anubrata Karmakar	Demonstrator
17	Dr. Poulomi Mukherjee	Demonstrator
18	Dr. Soumitra Mondal	Demonstrator
19	Dr. Panchamoni Mandi	M.O. (ROME)

1. Special achievements & collaborative activities by the department

- a. Howrah Municipal Corporation area ILI surveillance monitoring visit during Covid pandemic-** To combat the COVID pandemic the Department of Health and Family Welfare, Govt of West Bengal has bestowed the responsibility upon Medical College, Kolkata for monitoring of ILI surveillance in Howrah Municipal

Corporation. By order of Principal, Medical College; Department of Community Medicine shouldered the responsibility and successfully conducted the monitoring visits from April to October 2020. During the visits, faculties involved in supportive supervision of the field health workers in house to house active surveillance of ILI cases and given necessary feedbacks for improvement of the quality of the surveillance. The following faculty members of the department have been regularly associated with monitoring visit in Howrah district -Dr. Nirmalya Manna, Dr. Debadatta Chakrabarty, Dr. Seshadri Kole, Dr. Saikat Bhattacharya, Dr. Adwitiya Das, Dr. Rahul Biswas, Dr. Trinath Sarkar, Dr. Shibasish Banerjee, Dr. Sharmistha Ghosh, Dr. Anubrata Karmakar, Dr. Poulomi Mukherjee, Dr. Soumitra Mondal.

- b. UG, PG and Post-Doctoral verification and counselling-** Department of Community Medicine has successfully conducted the document verification and counselling process of several UG, PG and Post Doctoral students as requested by the West Bengal University of Health Sciences. Following faculties actively participated in the verification and counselling process- Dr. Anindya Mukherjee, Dr. Arup Chakraborty, Dr. Debadutta Chakraborty, Dr. Shibasish Banerjee, Dr. Trinath Sarkar, Dr. Anubrata Karmakar, Dr. Poulomi Mukherjee, Dr. Soumitra Mondal.
- c. Training imparted-** Dr. Debasish Das has acted as training coordinator for all categories of health worker in Medical College, Kolkata on preparedness and prevention of Covid 19 since beginning of Covid 19 pandemic to till date. Dr. Debasish Das and Dr. Arup Chakraborty took initiative and imparted training on preparing synopsis for thesis to all 1st year Post Graduate Trainee of Department of Pediatrics and Gynaecology – Obstetrics of Medical College, Kolkata.

2. Attendance in National and International Conference & Workshop

Sl no.	Name of conference	Faculty attended
1.	IPHACON –New Delhi AIIMS	Dr. A Chakraborty, Dr Mousumi Dutta
2.	i. Online Conference on Nutrition and Health 2020, organized by AIIMS Mangalgi. ii. Asia Pacific Advanced Network International Conference, Hongkong	Dr Tanushree Mondal
3.	E CROSS CONNECT Online symposium	Dr Poulomi Mukherjee

3. Publications of faculty in National & International Journal

Sl No	Title of article	Journal Name	Author
1	Clinicohistological correlation of etiological spectrum of chronic liver disease diagnosed during noncirrhotic stages in children: Can need of liver biopsy be obviated?	JGH Open	Dr. Debasis Das et al
2	Role of Epigenetics in Etiology & Prevention of Human Disease: A Review Based on Current Evidence	Asian Journal of Research in Biological & Pharmaceutical Science	Dr. Debasis Das et al
3	Bacterial Profile with Antimicrobial Sensitivity Pattern of Different Pyogenic Infections treated in a Tertiary Care Hospital at Kolkata	Journal of the Indian Medical Association	Dr Tanushree Mondal et al
4	A Comparative Study of Telemedicine-Assisted Traditional Teaching Classes and Flipped Classroom-Assisted Self-Directed Learning Sessions during COVID-19 Pandemic among First MBBS Students in Burdwan Medical College: A Pilot Study	Medical Journal of Dr. D.Y. Patil Vidyapeeth	Dr Tanushree Mondal et al
5	Communication and awareness on a new vaccine: a cross-sectional study in a tertiary care hospital of West Bengal	International Journal of Community Medicine and Public Health	Dr.Mousumi Datta, Arup Chakraborty et al
6	Demonstration of Iron in Exfoliated Buccal Mucosal Cells as a test for Iron Overload in Thalassemia Syndrome Patients Undergoing Repeated Blood Transfusion	journal of Medical Science & Clinical Research	Dr.Arup Chakraborty et al
7	Elders suffering recurrent injurious falls: causal analysis from a rural tribal community in the eastern part of India	Rural & Remote Health	Dr.Arup Chakraborty et al
8	Effect of Light Pollution on Self-Reported Sleep Quality and its Components: Comparative Assessment among Healthy Adult Populations in a Rural and an Urban Area of West Bengal, India	Indian Journal of Public Health	Dr.Arup Chakraborty et al
9	Psychometric Validation of Geriatric Depression Scale – Short Form among Bengali-Speaking Elderly from a Rural Area of West Bengal: Application of	Indian Journal of Public Health	Dr.Arup Chakraborty et al

	Item Response Theory		
10	Effectiveness of Preventive Measures against COVID-19: A Systematic Review of In Silico Modelling Studies in Indian Context	Indian Journal of Public Health	Dr.Arup Chakraborty et al
11	Work related behaviour and experience patterns among medical students in a teaching hospital in Eastern India	International Journal of Medical sciences and current research	Dr.Adwitiya Das et al
12	A real-world retrospective evaluation of glycaemic control and weight loss in patients with type 2 diabetes mellitus treated with canagliflozin 100 mg and canagliflozin 300 mg in an Indian setting	Clinical Diabetology	Dr.Poulomi Mukherjee et al

4. Ongoing research activity-

Sl No	Title of the research	Name of researcher
1.	A study on knowledge Attitude & Practice of family planning among eligible couples in a rural area of West Bengal	Researcher: Dr Debjani Guchhait (PGT) Guide: Dr. Krishnadas Bhattacharyya (Prof & HOD) Co-Guide: Prof (Dr.) Debasis Das
2.	An epidemiological study on selected risk factors of stroke among adults living in a slum of Kolkata	Researcher: Dr. V. Abinesh (PGT) Guide: Dr. Salil Kr. Bhattacharya, Professor Co-guide: Dr. Nirmalya Manna
3.	A study on low birth weight and its risk factors among babies admitted in SNCU of Medical College, Kolkata	Researcher: Dr. Rituparna Ray (PGT) Guide: Dr. Salil Kr. Bhattacharya Co-guide: Dr. Kalyan Brata Mondal (Dept. Of paediatrics)
4.	An epidemiological study on domestic violence among married women in a rural area of West Bengal	Researcher: Dr. Ria Mukherjee. (PGT) Guide: Dr. Debasis Das Co-guide: Dr. Arup Chakraborty
5	An epidemiological study on morbidity pattern and health care seeking behaviour of agricultural workers in rural areas of West Bengal.	Researcher: Dr. Parthasarathi Bhattacharya Guide: Dr. Nirmalya Manna Co-guide: Dr. Seshadri Kole
6	Estimation of G6PD status in the school going population of Kolkata. (P.H.D. dissertation under WBUHS)	Dr. Tanushree Mondal, Associate Professor & Assistant Director of Medical Education, GoWB
7	A study on knowledge, attitude & practice regarding noise exposure & prevention among	Researcher: Dr. Debjani Guchhait Guide: Dr. Trinath Sarkar

	the residents of an urban slum in Kolkata	
8	Assessment of nutritional status among elderly and factors influencing it in a rural area, Kolkata - A Cross Sectional Study.	Researcher: Dr. V. Abinesh (PGT) Guide: Dr. Shibasish Banerjee
9	Awareness, Attitude & Knowledge on Rabies among slum population in Kolkata	Researcher: Dr. Rituparna Ray (PGT) Guide: Dr. Poulomi Mukherjee
10	A study on gender preference among pregnant mothers attending ante-natal clinic of Medical College, Kolkata	Researcher: Dr. Ria Mukherjee. (PGT) Guide: Dr. Arup Chakraborty
11	A cross-sectional study on evaluation of use of partograph and possible barriers in its proper documentation in a tertiary care hospital of Kolkata, West Bengal.	Researcher: Dr. Parthasarathi Bhattacharya Guide: Dr. Adwitiya Das
12	A study on environmental exposure and health effects among dwellers of urban slum in Kolkata city. (P.H.D. dissertation under WBUHS)	Dr. Arup Chakraborty, Associate Professor
13	A study on personality traits, cognitive emotional regulation, social support seeking behaviour and quality of life among type 2 Diabetes patients attending outpatient department of a tertiary care hospital in Kolkata, India. (P.H.D. dissertation under WBUHS)	Dr. Anindya Mukherjee, Associate Professor

5. Brief information about any ongoing project in the department-

WBSISC is a collaborative project of UNICEF and GoWB. Department of Community Medicine of Medical College Kolkata, coordinates all activity related to this project. The primary objective of this project is to provide supportive supervision and monitoring to RMNCHA programs of RI, MI, Cold chain and vaccine logistics, PMSMA, EIBF and LaQSHYA.

A brief account of activities undertaken by WBSISC from January to December 2020 is given below-

1. Planning:

- Planning for IMI 2.0 February 2020 rounds in HPDs/SFDs.
- Provided support in developing plan for rolling out of Baby Friendly Hospital Initiative at M.R. Bangur District Hospital , South 24 Parganas.
- Provided support in developing plan of action for addressing early pregnancy in Malda and Murshidabad by involving adolescent counselors, Public Health Nurses and other stakeholders.
- Participated in the planning meeting for setting up of DEIC and KMC ward at Malda MCH.

During COVID-19 phase

- Provided support in planning (session , logistics etc.) for resumption of Routine immunization service and RMNCHA service at community level.
- Given support in planning and organizing health camps in amphan cyclone affected riverine areas of south 24 parganas and Diamond Harbor Health district.

2. Capacity Building

- Organized and facilitated the District ToTs on Routine Immunization of HPDs /SFDs.
- Participated and facilitated the training on Routine Immunization for Health Workers at district level.
- Organized Orientation on ANC and PNC for newly appointed ANM at Murshidabad and South 24 Parganas.
- Training of newly recruited Staff Nurses on maternal and neonatal health issues and role and responsibility of staff nurses at Raiganj Govt. Medical College, Uttar Dinajpur in collaboration with SOMI(Society of Midwives India).
- Orientation of Adolescent Counsellor and B/PHNs on early pregnancy, contraception and mental health issues at Murshidabad and Malda.
- Transforming Labour Room at Rashakhoa PHC, Uttar Dinajpur in collaboration with SOMI.
- Support and co-facilitation for the following training in HPDs at block level by District Monitors- HBYC, Routine Immunization, IMI 2.0.
- Support given in organizing/facilitating orientation training on IPC , MH issues and Safe delivery applications attended by all Districts.
- Support given and coordinated the training on Routine Immunization for Health Workers(1 batch) at district level.
- Support given in organizing the HBYC training for frontline workers (3 batches) including Block ASHA facilitators at district level .
- Support and co-facilitation for the following training in HPDs by District Monitors- Contraceptive update in MSD, PBS (NPCDCS) district Zoom, HWC portal entry in S24 , e-VIN in DHHD.
- Coordinated and facilitated the orientation on the community based advise giving and data collection tool.

COVID-19 Phase -

- Provided support in the planning and organizing the Infection Prevention and Control Training at district and medical college.
- Translation of COVID guidebook in Bengali for conducting the online training of health workers across the state. Inputs have been given in translating facilitators' guide book and developing PPT for the said training programme.
- Provided support in the planning and organizing the Infection Prevention and Control Training at district and facility.

3. Monitoring supportive supervision in HPDs

- Monitoring & Supervision of: Delivery Points-focus on labour rooms including WASH; PMSMA, Sub centers & Outreach

- On-the spot feedback & Onsite hands-on support given during supportive supervision visits to delivery points, by the Nursing mentors of SOMI and consultants of UNICEF.
- Field level Monitoring of IMI 2.0
- Monitoring of RI training for ANMs at block level.
- Supportive Supervision of RI sessions and Cold chain points.
- Monitoring of roll out of revised MCP card and its use at Malda, Murshidabad, Uttar Dinajpur, South 24 Parganas and Diamond Harbour.
- Filed level monitoring of HBYC roll-out in South 24 Parganas.
- Supportive supervision visits to the LaQshya identified facilities in Malda and Murshidabad.
- Monitoring of IPC in the health facilities of Malda and Murshidabad.
- On-the spot feedback & Onsite hands-on support given during supportive supervision visits to delivery points, by the DCT and consultant of UNICEF.

COVID-19 Phase -

- Provided support in the assessment of COVID hospital at High Priority Districts.
- Online assessment of community Based RMNCHA services.
- Other onsite monitoring activities like RI session, Cold chain , Facility SSV have also been done during COVID phase.

4. Other activities

- District level Monitors of Unicef have Coordinated and Participated in the supportive supervisory visit of Dr.SK Sikdar , Additional Commissioner (Immunization)-GOI in Malda and Uttar Dinajpur.
- Preparation of RMC note , measures during COVID and other issues for inclusion in the safe motherhood booklet.
- Analytical report and plan of action for reduction of adolescent pregnancy has been submitted to Unicef .
- Developed Tool for assessment of facility based Respectful Maternal Care.
- The WBSISC has given support to Unicef – KFO in analyzing findings, drafting reports, developing PowerPoint presentations for different platforms (district/state/national).
- Conceptualize and finalization of advice giving and data collection tool and made telephone calls to pregnant women and post-natal mothers
- District level monitors have participated in meetings for addressing bottlenecks based on the gaps related to LaQshya , Maternal death Review , Strengthening transportation under JSSK , RMNCHA review , Review of Egiye Bangla Portal entry , review the status of COVID-19 , Deworming fortnight , SNCU review , Immunization, AEFI,MR Surveillance , IPPI sensitization , JE vaccination , operationalization of HWC and status of WASH in health facilities etc. for strengthening the district health system.
- Data analysis of secondary & primary data including monitoring & supervision feedback on RMNCHA implementation and presentation at District MIES/RCH review by Unicef District Monitors.
- Analysis of NCCMIS data on cold chain and RI session site monitoring.
- Provided support in compilation of COVID data at district level.
- Analysis of COVID data and share findings at national level(Unicef).